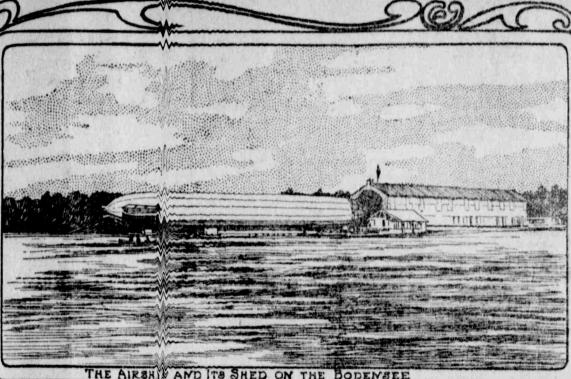
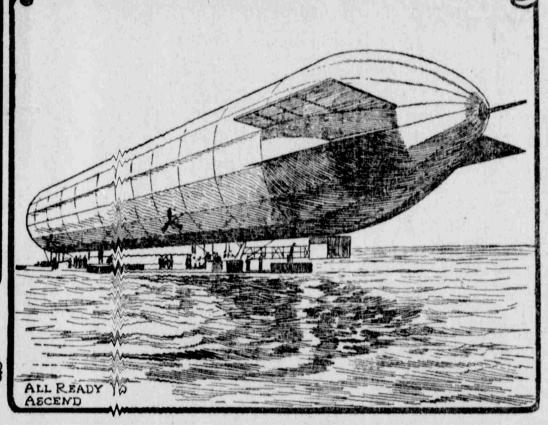
HAS COUNT FERDINAND VON ZEPPELIN SOLVED THE BAFFLING PROBLEM(6)







trial trip in his new vessel, which is model No. 3 of the series constructed by the noted German aeronaut in his persistent and plucky efforts to build an airship that will be useful in war-

taking place on succeeding days. Both cision than any of its predecessors. times the big ship ascended, salled,

tant that have been made in the history of aeronautics. The new ship is the largest ever built, carries more passengers than any other airship yet constructed and appears to have been handled with greater ease and pre-Count von Zeppelin has departed

OUNT FERDINAND VON ZEPPELIN'S latest and greatest airship experiment was his recent successful rip in his new vessel, which is the recent successful rip in his new vessel, which is the recent successful rip in his new vessel, which is new v The Von Zeppelin airship has an im-mense cylinder of aluminium in place of the simple gas bag. Inside this long cylinder are sixteen compartments. each carrying a balloon inflated with hydrogen gas. The long advance over the other type is obvious. The Baldwin airship would collapse at once if

respond to this mode of construction. The German count's air vessel also like a steamship in size. It is 40 feet long. This ship is built for bildness,

not as a curious toy. The long cherished ambition of the inventor is to make an airship which may be a practical use in war. He hopes to Mild a turned and descended at the will of from the ordinary type of airship, such the gas bag were injured sufficiently to ship which will be able to ar and nautic experiments that the world has States. That was in 1864. He was

dozen years, and the German government has aided him materially. Emperor William at one time contributed several hundred thousand marks to aid the count in his work

The builder of this huge air craft is a military man of wide renown, though he has devoted so many years to aero-

to France. As a leader of army scouts he did much to maneuver the third Napoleon and his armies into positions where the Prussians crushed them easily.

It is interesting to know that the first balloon ascension made by Von Zeppelin took place in the United

sent to this country as one of the German military attaches observing t movements of our armies during the civil war. In the course of his observations he made several balloon

Von Zeppelin began building his present airship last February, the work proceeding steadily for eight months.

The ship was built in a long half extending out over the waters of the Bodensee, the lake which lies between Switzerland and Baden. Great secrecy was maintained regarding the progress of the work. The great aluminlum plates were welded together to form the 430 foot cylinder. The re-enforce ments and partitions were built in, and the sixteen huge balloons were made and tested. The two sets of propeller blades were put in place. The forward aeroplane arrangement for elevating and depressing the ship in rising or descending was adjusted. Beneath the great cylinder were suspended the two carriages for crew and passengers, one forward and one aft, with a bridge forming a means of passage between the two. Still underneath was run the cable carrying the compensation weight to slide forward or backward as required to keep the ship steady. The rudders and steering gear were attached. The two great Daimler motors, of eighty-five horsepower each, were put in the carriages and adjusted to the propeller machinery. These are by far the most powerful motors ever used in an airship. The Von Zeppelin monster required such power, for the huge thing was to present a great bulk against the wind. When all was ready the front doors

of the big hall swung open and the floor of the building, which was in reality a floating platform, moved slowly out into the open. Then the natives assembled from town and countryside beheld a veritable modern On the long platform lay the great ship ready for launching into her element, the upper air. The proud but anxious old count and eight other persons then got aboard the two carriages. This was a ship that could carry passengers, not merely one or two men to work the machinery. It was, in fact, the first vessel in the world ready to carry pleasure seekers upon an aerial outling, and the initial upper air excursion was about to be-

She starts, she moves, she seems to feel The thrill of life-

and the stay ropes were released, the great cylinder arose gracefully, the propellers began to revolve with whirring sound and wonderful swiftness, and the ship started across the lake, far up, at a speed of about eighteen miles an hour, which was increased to thirty miles at times.

Twice across the lake and around it went the airship, staying two hours in air, and then back she came right to the starting point and descended with the grace and precision of a bird, alighting upon the float from which she had been launched forth into the sky. The ship was run back into her house and groomed for the next day's flight, which was oven more of a success, the voyage lasting four hours, and the landing being safely negotiated once more.

Now the world is wondering how long it will be before Count von Zeppelin will make good his prediction of some years ago that he would sail by the air route from Berlin to New York in two and a half days.

JAMES R. BENTLEY.

RIDINAD,

THIS IS THE TIME OF THE YEAR WHEN THE BOTHERSOME QUESTION OF A SUITABLE CHRISTMAS GIFT COMES UP.

That gift is valued most which best symbolizes the good-will of the giver. The difficulty is to fixed something that will fitly represent the spirit of the holiday season and also possess a lasting value. Especially is this difficult when the price must be moderate. Wherefore, when Christmas tide draws near, nearly all people who dwell in civilized communities are asking each other and themselves that ever perplexing question, "WHAT SHALL WE GIVE?" Here is on answer, which seems to meet many requirements: There is no gift which would be more acceptable and of more lasting benefit than a GOOD BOOK. HERE IS A PARTIAL LIST TO SELECT FROM:

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